

OF C. SCIENTIST MAKES OVER WAR CHEMICAL TRADE

Ten Tons of Explosive Material Shipped in One Day.

A shipment of about ten tons of thorium nitrate, made yesterday by the Lindsay Light company, will have an important bearing on the manufacture of explosives for war uses by the allies of the United States. This rare chemical, which is produced in Chicago in larger amounts than at any other point, is used for gas mantles. By using mantles a gas with a large amount of heat units and comparatively few illuminating units can produce light. This liberates toluene, one of the illuminants in gas, for the manufacture of trinitrotoluene, commonly known as T. N. T. This is the explosive that destroyed Halifax, Nova Scotia. The shipment is the biggest of the kind ever made from Chicago. The country's supply of thorium formerly came from Germany, together with cerium, which is also used in gas mantles. Both are extracted from a sand that is brought from India. The process that is used was developed at the University of Chicago under the direction of Dr. H. N. McCoy, who worked two years on the problem.

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Charles Rogers Lindsay Jr., wealthy manufacturer, died yesterday at his home, Grove Farm at Wayne in Du Page county, after an illness of six weeks with a streptococci infection. He was 63 years old. Mr. Lindsay was president of the Lindsay Light and Chemical company of West Chicago. The company, which manufactures chemicals used by glass and ceramic manufacturers and gas and electric fixtures, was organized by him in Chicago in 1895 and was removed to West Chicago five years ago. Served Red Cross in War. When the United States entered the world war Mr. Lindsay organized a field service unit in Wayne and served as an inspector of the American Red Cross with a commission as a captain in the United States army. He was a member of the Tavern club, the Dunham Woods Riding club, the Geneva Golf club and the Chevy Chase Country club of Washington, D.C. Surviving him are his widow, Mrs. Dorothy Lindsay, who has been prominent in Girl Scout work and is regional director of the Great Lakes area; a son, Charles R. Lindsay III. of Wayne, and a daughter, Mrs. William V. Berg of Piermont on the Hudson, N.Y. Services to Be Tomorrow. Funeral services will be conducted at 3 o'clock tomorrow afternoon at the Wayne church, with the Rev. Franklin Wales officiating. Burial will be in the East St. Charles cemetery. Business associates of Mr. Lindsay will be pallbearers.

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